

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL		5. MINERAL LEASE NO: FEE * See Page 1 SUPO	6. SURFACE: FEE
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> CBM SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. UNIT or CA AGREEMENT NAME: N/A	
2. NAME OF OPERATOR: Anadarko Petroleum Corporation		9. WELL NAME and NUMBER: Blackhawk A-5H	
3. ADDRESS OF OPERATOR: 1099 18th Street, Denver, CO 80202		10. FIELD AND POOL, OR WILDCAT: Helper / Ferron A	
CITY STATE ZIP		PHONE NUMBER: 720-929-6000	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1142' FNL, 263' FEL Lat: 39.685470 Long: -110.817271 AT PROPOSED PRODUCING ZONE: Three Horizontal (bird foot) orientation to BHL See Attachment ML ±923' FSL ±1216' FWL ML-L1 ±711' FSL ±2087' FEL ML-R2 ±2328' FSL ±745' FWL		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE Sec. 20 T13S-R10E S.L.B.&M.	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 8.6 miles from Price, Utah		12. COUNTY: Carbon	13. STATE UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 263'	16. NUMBER OF ACRES IN LEASE: 106 acres	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 160 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 263'	19. PROPOSED DEPTH: 4,000'	20. BOND DESCRIPTION: Utah Statewide Bond: 224351	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 6396.9' Ungraded Ground Level	22. APPROXIMATE DATE WORK WILL START: July 15, 2008	23. ESTIMATED DURATION: 45 Days Drilling, 7 Days Completion	

24. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
13-3/8"	10-3/4", 32.75#, H-40, ST&C	0' - 500'	290 sks Class "A" plus 2% Calcium Chloride + 0.25lb/sk Superflake Yield: 1.19 cft/sk, Density: 15.6 ppg (100% excess by volume)
8-3/4"	7", 20#, J-55, STC	0' - 4000'	598 sks Class "A" plus 2% Calcium Chloride + 0.25lb/sk Superflake Yield: 2.06 ft/sk, Density: 12.5 ppg (10% excess by volume)
Drift Diameter	Concentric Parasite Working String		
6.331'	5-1/2", 17#, J-55, ULT-Fj LHT	4,000'	** See Drilling Program Attached for Details

25. ATTACHMENTS	
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:	
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) **Debby J. Black (Debby.Black@anadarko.com)** TITLE **Staff Regulatory Analyst (Direct 720-929-6472)**

SIGNATURE *Debby J. Black* DATE **April 14, 2008**

(This space for State use only)

**Approved by the
Utah Division of
Oil, Gas and Mining**

**RECEIVED
APR 29 2008**

API NUMBER ASSIGNED: **43-007-31402**

APPROVAL:

DIV. OF OIL, GAS & MINING

Date: **07-01-08**
By: *[Signature]*

R. 10 E.

6192.72
LAT:39.688511
LON:-110.825489

S 89°09' W 2604.36' (R)
S 89°12'22" W 2604.86' (M)

LAT:39.688617
LON:-110.816236

N 89°42' W 2587.86' (R)

(SHL)
NAD 83
STPC (UTC)
N: 7,054,892'
E: 1,832,546'

Lat: 39° 41' 07.7"N
(39.685470°N)
Lon:-110° 49' 02.2"W
(-110.817271°W)

(SHL)
NAD 27
STPC (UTC)
N: 493,231'
E: 2,192,336'

Lat: 39° 41' 07.8"N
(39.685506°N)
Lon:-110° 48' 59.6"W
(-110.816556°W)

BLACKHAWK A-5H
SURFACE HOLE LOCATION
Ungraded Elevation = 6396.9'
Graded Elevation = 6391.0'

1142'

263'

S 48°02'22" W
800.00'

N 01°24'03" E 2686.59' (M)

54.72

N 01°26' E 5376.36' (R)

LAT:39.681244
LON:-110.816472

20

245'

BHL-ML-R2
NAD 83

STPC (UTC)
N: 7,052,896'
E: 1,828,344'
Lat: 39° 40' 48.3"N
(39.680075°N)
Lon:-110° 49' 56.1"W
(-110.832256°W)

2328' FSL (calculated)
745' FWL (calculated)
1996' south of location
4202' west of location

228'

BHL-ML
NAD 83

STPC (UTC)
N: 7,051,495'
E: 1,828,804'
Lat: 39° 40' 34.4"N
(39.676219°N)
Lon:-110° 49' 50.4"W
(-110.830658°W)

923' FSL (calculated)
1216' FWL (calculated)
3397' south of location
3742' west of location

208'

BHL-ML-L1
NAD 83

STPC (UTC)
N: 7,051,312'
E: 1,830,661'
Lat: 39° 40' 32.4"N
(39.675678°N)
Lon:-110° 49' 26.6"W
(-110.824064°W)

711' FSL (calculated)
2087' FWL (calculated)
3581' south of location
1885' west of location

S 89°55' W 2593.80' (R)

S 88°36' W 2566.74' (R)

516.22

Certificate of Surveyor

I, Duane Fehringer do hereby certify that I am a registered land surveyor licensed under the laws of the State of Utah, and that this map was made from notes taken during an actual survey made by me or under my supervision on March 4, 2008 and that it correctly shows the location as staked on the ground during said survey, to the best of my knowledge.

DUANE D. FEHRINGER
PROFESSIONAL LAND SURVEYOR
UTAH REGISTRATION NUMBER 163167

ANADARKO PETROLEUM
CORPORATION

1099 18th Street, Suite 1200 - Denver, Colorado 80202

BLACKHAWK A-5H
WELL PLAT
1142' FNL, 263' FEL

NE1/4NE1/4 SECTION 20, T.13S., R.10E.
S.L.M., CARBON COUNTY, UTAH

DUANE D.
FEHRINGER
No. 163167

04-08-08



CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

NOTES:

- ▲ INDICATES FOUND 1948 3 1/4" BLM BRASS CAP
- INDICATES CALCULATED CORNER POSITION FROM RECORD
- ELEVATION BASED ON NE COR SEC 20 FROM HELPER USGS QUADRANGLE
- BASIS OF BEARING IS WGS84
- BHL = BOTTOM HOLE LOCATION
- ALL COORDINATES DERIVED FROM AUTONOMOUS GPS SURVEY

Reference Stakes:

150' North - EL: 6428.1'
200' North - EL: 6439.7'
200' West - EL: 6390.2'
250' West - EL: 6405.6'



HORIZONTAL 0 500 1000 1" = 1000'

Scale: 1"=1000'	Date: 04/08/08	SHEET NO:
REVISED:	BY DATE	2 2 OF 8

SURFACE – 1142 FNL 263 FEL

515751 X 4392602 Y

39.684991 -110.816327

BHL - 923 FSL 1216 FWL

514601 X 4391635 Y

39.676295 -110.829758

BHL – 711 FSL 2087 FEL

515163 X 4391574 Y

39.675735 -110.823197

BHL - 2328 FSL 745 FWL

514463 X 4392062 Y

39.680145 -110.831348